

Title (en)

PROCESS FOR REMOVING LOW AMOUNTS OF ORGANIC SULFUR FROM HYDROCARBON FUELS

Title (de)

VERFAHREN ZUM ENTFERNEN NIEDRIGER ANTEILE ORGANISCHEN SCHWEFELS AUS KOHLENWASSERSTOFFKRAFTSTOFFEN

Title (fr)

PROCEDE SERVANT A EXTRAIRE DE FAIBLES QUANTITES DE SOUFRE ORGANIQUE DE COMBUSTIBLES HYDROCARBURES

Publication

EP 1315785 B1 20080305 (EN)

Application

EP 01957587 A 20010803

Priority

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- US 65401600 A 20000901

Abstract (en)

[origin: WO0218518A1] A process for desulfurizing fuels such as diesel oil and similar petroleum products to reduce the sulfur content to a range of from about 2 to 15 ppm sulfur is described. The sulfur containing fuel is contacted at slightly elevated temperatures with an oxidizing/extracting solution of formic acid, a small amount of hydrogen peroxide, and no more than about 25 wt % water. A removal process for separating substituted dibenzothiophene oxidation products from the fuel is also described.

IPC 8 full level

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